

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2349	housing and cup and driver and (pin shaft spindle) and cap	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/15 15:12
L2	11	(housing and cup and driver and (pin shaft spindle) and cap).clm.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/15 15:14
L3	16	(housing and (cup sheath sleeve)and flange and driver and (pin shaft spindle) and cap).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/15 15:14
S1	1	("5658304").PN.	USPAT; USOCR	OR	OFF	2006/03/15 15:07
S2	2	("0198556").PN.	USPAT; USOCR	OR	OFF	2006/02/01 09:22
S3	0	("20020198556").PN.	USPAT; USOCR	OR	OFF	2006/02/01 09:22
S4	1	("4513742").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/01 09:22
S5	1	("5366312").PN.	USPAT; USOCR	OR	OFF	2006/02/01 09:25
S6	1	("5839196").PN.	USPAT; USOCR	OR	OFF	2006/02/01 11:30
S7	4	("5658304" "5263972" "6051009" "4768504").pn.	USPAT	OR	OFF	2006/02/01 11:35
S8	34	("2455655" "2795247" "20020198556" "3905105" "3905374" "3943934" "4036236" "4069824" "4106181" "4386609" "4513742" "4584999" "4617930" "4637391" "4703751" "4718413" "4750481" "4768504" "5122142" "5135533" "5178626" "5263972" "5366312" "5468247" "5507763" "5554165" "5658304" "5694693" "5735866" "5839196" "6022353" "6051009" "D351907" "D360946" "D362065").PN.	USPAT	OR	OFF	2006/03/09 13:38
S9	1	"20040204731"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/01 11:48
S10	3309	606/176,177,167-172.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/01 14:55
S11	6	("4657428"   "4706386"   "4730952"   "5263972"   "5265343"   "5496316").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/01 14:56

## EAST Search History

S12	1	("5658304").URPN.	USPAT	OR	OFF	2006/02/01 14:56
S13	200	606/176	USPAT	OR	OFF	2006/02/01 14:59
S14	1144426	coupling slot groove	USPAT	OR	OFF	2006/02/01 15:04
S15	127	S13 and S14	USPAT	OR	OFF	2006/02/01 15:00
S16	184511	(pin shaft spindle cap) and aperture	USPAT	OR	OFF	2006/02/01 15:07
S17	1590996	coupl\$3 slot groove	USPAT	OR	OFF	2006/02/01 15:05
S18	17042	blade and S16 and S17	USPAT	OR	OFF	2006/02/01 15:04
S19	17291	blade same coupl\$3	USPAT	OR	OFF	2006/02/01 15:06
S20	425019	(pin shaft spindle cap) and (slot groove)	USPAT	OR	OFF	2006/02/01 15:07
S21	448850	aperture	USPAT	OR	ON	2006/02/01 15:10
S22	2356	S19 and S20 and S21	USPAT	OR	ON	2006/02/01 15:08
S23	3	S13 and S22	USPAT	OR	ON	2006/02/01 15:08
S24	76973	(aperture hole female) and (prong male) and (lock\$3 engag\$3)	USPAT	OR	ON	2006/02/01 15:12
S25	589	S19 and S20 and S24	USPAT	OR	ON	2006/02/01 15:14
S26	36	("5263972").URPN.	USPAT	OR	OFF	2006/02/02 11:43
S27	73	("0044823"   "0436804"   "1048085"   "1064493"   "1125234"   "1413101"   "1448305"   "1495675"   "1940855"   "2557364"   "2604130"   "2649838"   "2854981"   "3103069"   "3542097"   "3554197"   "3678934"   "3750283"   "3823473"   "3852881"   "3863339"   "3901117"   "3905105"   "3905374"   "3927893"   "3943934"   "3952412"   "3964163"   "3974868"   "4008720"   "4020555"   "4032747"   "4064871"   "4106181"   "4233737"   "4252121"   "4386609"   "4470196"   "4528753"   "4584999"   "4617930"   "4637391"   "4646440"   "4648182"   "4694542"   "4711030"   "4730952"   "4736742"   "4739557"   "4768504"   "4783886"   "4819334"   "4891884"   "4899443"   "4920646"   "5122142"   "D245918"   "D317821").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/02 11:44
S28	1	("5658304").URPN.	USPAT	OR	OFF	2006/02/02 13:17
S29	6	("4657428"   "4706386"   "4730952"   "5263972"   "5265343"   "5496316").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/02 14:43

## EAST Search History

S30	546	30/337	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/02 14:43
S31	439	(30/337).CCLS.	USPAT; USOCR	OR	OFF	2006/02/02 14:56
S32	20	bearing and S31	USPAT	OR	OFF	2006/02/02 14:46
S33	906	30/331,338,339,180,351.ccls.	USPAT	OR	OFF	2006/02/02 15:09
S34	154	30/331.ccls.	USPAT	OR	OFF	2006/02/02 14:57
S35	140	30/338.ccls.	USPAT	OR	OFF	2006/02/02 14:57
S36	65	bearing and S33	USPAT	OR	OFF	2006/02/02 14:57
S37	1187	606/176,177,178,167,187.ccls.	USPAT	OR	OFF	2006/02/02 15:09
S38	186	bearing and S37	USPAT	OR	OFF	2006/02/02 15:09
S39	30	("5122142" "4920646" "4899443" "4891884" "4819334" "4783886" "4768504" "4739557" "4736742" "4730952" "4711030" "4694542" "4648182" "4646440" "4637391" "4617930" "4584999" "4528753" "4470196" "4386609" "4252121" "4233737" "4106181" "4064871" "4032747" "4020555" "4008720" "3974868" "3964163" "3952412"). PN.	USPAT	OR	OFF	2006/02/02 15:38
S40	116	(606/176).CCLS.	USPAT; USOCR	OR	OFF	2006/02/02 15:50
S41	162	128/317	USPAT	OR	OFF	2006/02/03 09:30
S42	163	128/317	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/03 09:30

## EAST Search History

S43	109	("0044823"   "0436804"   "1048085"   "1064493"   "1125234"   "1413101"   "1448305"   "1495675"   "1940855"   "2557364"   "2604130"   "2649838"   "2854981"   "3103069"   "3542097"   "3554197"   "3678934"   "3750283"   "3823473"   "3852881"   "3863339"   "3901117"   "3905105"   "3905374"   "3927893"   "3943934"   "3952412"   "3964163"   "3974868"   "4008720"   "4020555"   "4032747"   "4064871"   "4106181"   "4233737"   "4252121"   "4386609"   "4470196"   "4528753"   "4584999"   "4617930"   "4637391"   "4646440"   "4648182"   "4694542"   "4711030"   "4730952"   "4736742"   "4739557"   "4768504"   "4783886"   "4819334"   "4891884"   "4899443"   "4920646"   "5122142"   "D245918"   "D317821").PN. OR ("5263972"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/03 10:15
S44	415	606/82	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/06 13:29
S45	415	606/82	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/06 11:39
S46	415	606/82	US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB	OR	OFF	2006/02/06 11:39
S47	16	606/82 and 13B	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/06 13:25
S48	150	606/132	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/06 13:30

## EAST Search History

S49	966	606/176,177,178,179,180.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/06 13:33
S50	807102	saw blade	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/06 13:33
S51	503	S49 and S50	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/06 13:55
S52	1690	279/76,96,101,102.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/06 14:05
S53	84	S50 and S52	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/06 13:56
S54	282	gant.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/06 13:57
S55	148092	drew andrew	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/06 13:57
S56	4	S54 and S55	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/06 13:57

## EAST Search History

S57	2036	30/335-339.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/06 14:05
S58	1203	S50 and S57	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/06 14:06
S59	2377832	spring	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/06 14:06
S60	510	S58 and S59	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/06 14:18
S61	464	30/355	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/06 14:18
S62	330	S61 and S50	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/06 15:04
S63	2968150	slot groove recess	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/06 15:06
S64	2438219	sheath sleeve bearing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/06 15:05

## EAST Search History

S65	1462735	lip flange	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/07 11:32
S66	3550721	slot groove recess aperture	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/07 11:34
S67	3599163	pin spindle shaft	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/06 15:07
S68	185412	S50 and S59	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/06 15:07
S69	87643	S68 and S64	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/06 15:07
S70	26213	S69 and S65 and S66 and S67	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/06 15:09
S71	189	30/331	USPAT	OR	OFF	2006/02/06 15:29
S72	77	30/333	USPAT	OR	OFF	2006/02/06 15:29
S73	510	30/339	USPAT	OR	OFF	2006/02/06 15:30
S74	47	279/44	USPAT	OR	OFF	2006/02/08 10:43

## EAST Search History

S75	105	("0044823"   "0436804"   "1048085"   "1064493"   "1125234"   "1413101"   "1448305"   "1495675"   "1808239"   "1940855"   "2427580"   "2557364"   "2582511"   "2604130"   "2649838"   "2854981"   "3103069"   "3542097"   "3554197"   "3678934"   "3703036"   "3750283"   "3823473"   "3852881"   "3863339"   "3901117"   "3905105"   "3905374"   "3927893"   "3943934"   "3952412"   "3964163"   "3974868"   "3977289"   "4008720"   "4020555"   "4032747"   "4064871"   "4106181"   "4229963"   "4233737"   "4252121"   "4386609"   "4470196"   "4528753"   "4543718"   "4584999"   "4617930"   "4637391"   "4646440"   "4648182"   "4676001"   "4694542"   "4711030"   "4728876"   "4730952"   "4736742"   "4739557"   "4768504"   "4783886"   "4819334"   "4873461"   "4891884"   "4899443"   "4920646"   "4922612"   "5122142"   "5133728"   "5263972"   "D198423"   "D239331"   "D245918"   "D282142"   "D294734"   "D316220"   "D317821"   "D337160"   "D343247"   "D351907").PN. OR ("5468247").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/07 13:25
S76	0	297/19.7	USPAT	OR	OFF	2006/02/07 10:04
S77	67	279/19.7	USPAT	OR	OFF	2006/02/07 10:04
S78	67	279/19.7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/07 10:11
S79	107	279/80	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/07 10:11
S81	1	("4386609").PN.	USPAT; USOCR	OR	OFF	2006/02/07 11:29



## EAST Search History

S82	1396968	cup sheath sleeve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/07 11:36
S83	260935	S82 and bearing and (pin spindle shaft)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/07 11:37
S84	190955	S83 and (slot groove recess aperture)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/07 11:39
S85	101450	S84 and (lip flange)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/07 11:39
S86	1490966	cup sheath sleeve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 11:36
S87	274381	S86 and bearing and (pin spindle shaft)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/07 11:38
S88	199321	S87 and (slot groove recess aperture)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/07 11:41
S89	317837	S86 and bearing and (pin spindle shaft)	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/07 11:39
S90	252533	S89 and (slot groove recess aperture)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 11:39

## EAST Search History

S91	139195	S90 and (lip flange)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 11:40
S92	30288	S91 and (saw blade knife knives)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 11:41
S93	22810	S92 and spring	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 11:44
S94	116	(606/176).CCLS.	USPAT; USOCR	OR	OFF	2006/02/07 11:43
S95	6	S93 and S94	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 11:45
S96	152	(606/82).CCLS.	USPAT; USOCR	OR	OFF	2006/02/07 11:45
S97	157	(30/351).CCLS.	USPAT; USOCR	OR	OFF	2006/02/07 11:47
S98	3	S93 and S97	USPAT	OR	OFF	2006/02/07 11:48
S99	740	(279/76).CCLS.	USPAT; USOCR	OR	OFF	2006/02/07 11:48
S10 0	0	S93 and S99	USPAT	OR	OFF	2006/02/07 11:49
S10 1	37862	(pin shank spindle) NEAR (aperture hole hub)	USPAT	OR	ON	2006/02/07 11:51
S10 2	5843	S101 and (saw blade knife knives)	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/07 11:51
S10 3	975	(606/167).CCLS.	USPAT; USOCR	OR	OFF	2006/02/07 11:57
S10 4	639	(saw blade knife knives) and S103	USPAT	OR	ON	2006/02/07 12:34
S10 5	377	(30/166.3).CCLS.	USPAT; USOCR	OR	OFF	2006/02/07 12:35

## EAST Search History

S10 6	611	(30/339).CCLS.	USPAT; USOCR	OR	OFF	2006/02/07 13:23
S10 7	4099	(pin shaft hub spindle) adj aperture	USPAT	OR	OFF	2006/02/07 13:26
S10 8	5946	(pin shaft hub spindle) adj aperture	USPAT	OR	ON	2006/02/07 13:26
S10 9	1019	S108 and (saw blade knife knives)	USPAT	OR	ON	2006/02/07 13:28
S11 0	262	S109 and (prong projection)	USPAT	OR	ON	2006/02/07 13:28
S11 1	7	("4657428"   "4706386"   "4730952"   "5263972"   "5265343"   "5496316").PN. OR ("5658304"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/07 13:45
S11 2	281	(279/44).CCLS.	USPAT; USOCR	OR	OFF	2006/02/08 10:43
S11 3	3	S112 and bearing	USPAT	OR	OFF	2006/02/08 10:43
S11 4	611	(30/339).CCLS.	USPAT; USOCR	OR	OFF	2006/02/08 10:45
S11 5	61	S114 and bearing	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/08 11:04
S11 6	1675	279/76,96,101,102.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/08 11:04
S11 7	172	bearing and S116	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/08 11:07
S11 8	181	279/16	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/08 11:19
S11 9	87	S118 and bearing	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/08 12:21
S12 0	280	279/19.6,19.7.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/08 12:21
S12 1	25	bearing and S120	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/08 12:22
S12 2	176	279/97	USPAT	OR	OFF	2006/02/09 08:32
S12 3	2302748	(pin shaft spindle)	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/09 08:33

## EAST Search History

S12 4	1728399	spring	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/09 08:33
S12 5	686494	(blade saw knife knives)	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/09 08:34
S12 6	127	S122 and S124	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/09 08:34
S12 7	113	S126 and S123	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/09 09:08
S12 8	1	"5310292"	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/09 08:55
S12 9	1164	279/18,46.1,79,904,147.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/09 09:08
S13 0	417	S129 and S123	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/09 09:09
S13 1	324	S130 and S124	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/09 09:09
S13 2	46	S131 and S125	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/09 09:32
S13 3	360	30/156	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/09 09:32
S13 4	60	S133 and S123 and S124 and S125	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/09 09:33
S13 6	55	279/2.02	USPAT	OR	OFF	2006/03/09 13:17
S13 7	5	279/20.1	USPAT	OR	OFF	2006/03/09 13:13
S13 8	12	279/2.21	USPAT	OR	OFF	2006/03/09 13:13
S13 9	901107	"23" and bearing	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/09 13:17
S14 0	24	S136 and bearing	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/09 13:17
S14 1	1	"20020198556"	US-PGPUB; USPAT	OR	OFF	2006/03/09 13:39

## EAST Search History

S14 2	471	403/92	USPAT	OR	OFF	2006/03/10 09:17
S14 3	422	403/96	USPAT	OR	OFF	2006/03/10 09:31
S14 4	526	403/97	USPAT	OR	OFF	2006/03/10 09:17
S14 5	212	403/101	USPAT	OR	OFF	2006/03/10 09:17
S14 6	100	S143 and (instrument tool)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/10 09:31
S14 7	152	S144 and (instrument tool)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/10 09:48
S14 8	41	S145 and (instrument tool)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/10 10:00
S14 9	26	("0636476"   "1160213"   "1677337"   "2286498"   "2316243"   "2584097"   "3509629"   "3847154"   "4071029"   "4347450"   "4449956"   "4748872"   "4947942"   "5073145"   "5352234"   "5372420"   "5549634"   "5569090"   "5569256").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/10 10:10
S15 0	545	30/388,339.ccls.	USPAT	OR	OFF	2006/03/14 09:05
S15 1	196	S150 and (instrument tool)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/14 09:05